

MULTI-LAYER, WOUND GOLF BALL

ABSTRACT

5 A multi-layer golf ball can be prepared; possessing the performance characteristics of both a solid ball and a wound ball, by selecting the content and thickness of one or more of the layers, wherein the multi-layer golf ball comprises a center, an intermediate layer, a wound layer of tensioned material, and a cover, such that any one or more of the following are satisfied: (a) at least a portion of the intermediate layer includes a thermoset material; (b) the winding includes fiber, glass, carbon, polyether urea, polyether block copolymers, polyester urea, polyester block copolymers, isotactic-poly(propylene), polyethylene, polyamide, poly(oxymethyiene), polyketone, poly(ethylene terephthalate), poly(p-phenylene terephthalamide), poly(acrylonitrile), diaminodicyclohexylmethane, dodecanedicarboxylic acid, or copolymers or combinations thereof; (c) the thickness of the wound layer is less than about 1 mm; and (d) at least a portion of the cover includes a thermoset material. Methods of preparation of such golf balls are also recited.